2013. **Effect of Aβ Insertion in DPPC LB Films**. Nirav Patel, Christopher P.H. Seo, Fernando Teran Arce, Ratnesh Lal. *Biophys. J.* 104(2)s: 592a.

Additional authors added and re-ordered:

Nirav Patel[1], Christopher P. H. Seo[2], Hyunbum Jang[3], Brian Meckes[1], Laura Connelly[1], Alan Gillman[1], Srinivasan Ramachandran[1], Bruce Kagan[4], Ruth Nussinov[3], Ratnesh Lal[1], Fernando Teran Arce[1].

[1]University of California, San Diego, La Jolla, CA, USA, [2]University of Auckland, Auckland, New Zealand, [3]National Cancer Institute, Frederick, MD, USA, [4]University of California, Los Angeles, Los Angeles, CA, USA.

http://dx.doi.org/10.1016/j.bpj.2013.03.004

2013. **Characterizing the Biomolecular Interactions between Insulin and G-Quadruplex DNA**. Nicole L. Michmerhuizen, Christine M. Timmer, Kumar Sinniah. *Biophys. J.* 104(2)s: 419a.

Additional authors added and re-ordered:

Nicole L Michmerhuizen, Christine M. Timmer, Margaret Van Winkle, Kylin Hamann, Kumar Sinniah

Calvin College.

http://dx.doi.org/10.1016/j.bpj.2013.03.018

2013. **Disease Associated Mutations in Tau Alter its Interactions with Tubulin**. Garrett Cobb. *Biophys. J.* 104(2)s: 144a–145a.

Additional authors added:

Shana Elbaum-Garfinkle, Jocelyn Compton, Elizabeth Rhoades.

http://dx.doi.org/10.1016/j.bpj.2013.03.005

2013. **Development of Carbon Nano-Heater: Stimulation of Sensory Neurons for Functional Study of Heat Sensitive Channels**. Babak Babakinejad, Takahashi Yasufumi, Takahashi Yasufumi, Yuri Korchev, Paolo Actis. *Biophys. J.* 104(2)s: 519a.

Abstract text was missing. Abstract should read:

Thermal sensation and nociception are known to be mediated by different ion channels of the TRP family of receptors. Development of fine heating probes is necessary to further study the function of these thermosensors in thermal sensation and pain transduction. We have developed a novel nano-heating probe utilizing carbon deposition on double-barrel nanopipettes. Fine wires are inserted into each barrel making a contact with the carbon to measure the resistance of the element and for subsequent application of voltage, to generate heat at the tip. In order to demonstrate the functionality of the nano-heater, we applied a range of voltages to the probe and measured the temperature with a thermal camera. We used the nano-heater probe on the cell membrane of heat sensitive TRPV1 transfected HEK cells and recorded calcium evoked response to the local increases in temperature. The nano-heater is a useful tool for functional investigation of heat sensitive receptors on sensory neurons and for localized thermal stimulation.

http://dx.doi.org/10.1016/j.bpj.2013.03.006